



Response to Election of Species Requirement
Application No. 10/699,704
Attorney Docket No. 032073

AMENDMENTS TO THE CLAIMS

Listing of claims:

This listing of claims replaces all prior versions and listing of claims in the application.

Claims 1-12 (Cancelled)

13. (New) A drive method for an active type light emitting display panel provided with a light emitting element, a driving TFT which lighting drives the light emitting element, a power supply circuit supplying a current of a forward direction to the light emitting element at a lighting operation time of the light emitting element and a circuit to apply a reverse bias voltage to said light emitting element, wherein

either one of a discharge operation in which electrical charges accumulated in a parasitic capacitance of the light emitting element are discharged and a charge operation for said parasitic capacitance is executed, at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current.

14. (New) A drive method for an active type light emitting display panel according to claim 13, wherein,

a discharge operation in which electrical charges accumulated in a parasitic capacitance of the light emitting element are discharged is executed, at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current, by setting the electrical potentials of an anode and a cathode of the light emitting element to a same potential.

15. (New) A drive method for an active type light emitting display panel according to claim 13, wherein,

a switching operation of a select switch which gives the light emitting element a potential difference by which lighting is possible is executed, at the timing at which the applying operation of the reverse bias voltage to the ET, element shifts, and a charge operation for a parasitic capacitance of the light emitting element via the select switch is executed.

16. (New) A drive method for an active type light emitting display panel according to claim 13, wherein,

a charge operation in which a current from a power supply for charge is allowed to flow in the forward direction for a parasitic capacitance of the light emitting element from a connection point between the light emitting element and the driving ITT at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current.

17. (New) A drive method for an active type light emitting display panel according to claim 13 wherein,

a charge operation in the forward direction for a parasitic capacitance of the light emitting element by a current which is greater than that of the lighting operation time of the light emitting element is executed, at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current, by controlling a gate voltage of the driving TFT.

18. (New) A drive method for an active type light emitting display panel according to claim 13, wherein,

a charge operation in the forward direction for a parasitic capacitance of the light emitting element is executed, at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current, by performing bypass control for the driving TFT which is connected in series to the light emitting element.

19. (New) A drive device for an active type light emitting display panel provided with a light emitting element, a driving TFT which lighting drives the light emitting element, a power supply circuit supplying a current of a forward direction to the light emitting element at a lighting operation time of the light emitting element, and a circuit to apply a reverse bias voltage to said light emitting element, wherein

there is provided either one of a discharge means which operates at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current to allow electrical discharge of charges accumulated in a parasitic capacitance of the light emitting element and a charge means which performs a charge operation for the parasitic capacitance of the light emitting element.

20. (New) A drive device for an active type light emitting display panel according to claim 19, wherein said discharge means operates at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current and is adapted to discharge the electrical charges accumulated in the parasitic capacitance of the light emitting element by setting the electrical potentials of an anode and a cathode of the light emitting element to a same potential.

21. (New) A drive device for an active type light emitting display panel according to claim 19, wherein said charge means which performs a charge operation for the parasitic capacitance of the light emitting element operates at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current and performs a charging operation for the parasitic capacitance of the light emitting element on the basis of a switching function of a select switch which gives the light emitting element a potential difference by which lighting is possible.

22. (New) A drive device for an active type light emitting display panel according to claim 19, wherein said charge means which performs a charge operation for the parasitic capacitance of the light emitting element operates at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current and executes a charging operation in a forward direction for the parasitic capacitance of the light emitting element from a connection point between the light emitting element and the driving TFT.

23. (New) A drive device for an active type light emitting display panel according to claim 19, wherein said charge means which performs a charge operation for the parasitic capacitance of the light emitting element operates at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current and executes a charging operation for the parasitic capacitance of the light emitting element and performs a charge operation in a forward direction for a parasitic capacitance of the

light emitting element by a current which is greater than that of the lighting operation time of the light emitting element by controlling a gate voltage of the driving TFT.

24. (New) A drive device for an active type light emitting display panel according to claim 19, wherein said charge means which performs a charge operation for the parasitic capacitance of the light emitting element operates at the timing at which the applying operation of the reverse bias voltage to the EL element shifts to the supplying operation of the forward current, and executes a charge operation in a forward direction for a parasitic capacitance of the light emitting element includes a bypass control means for bypassing the driving TFT which is connected in series to the light emitting element.

25. (New) The drive device for an active type light emitting display panel according to any one of claims 19 to 24, wherein

the light emitting element is constituted by an organic EL element in which an organic compound is employed in a light emitting layer.